

# Appendix Report

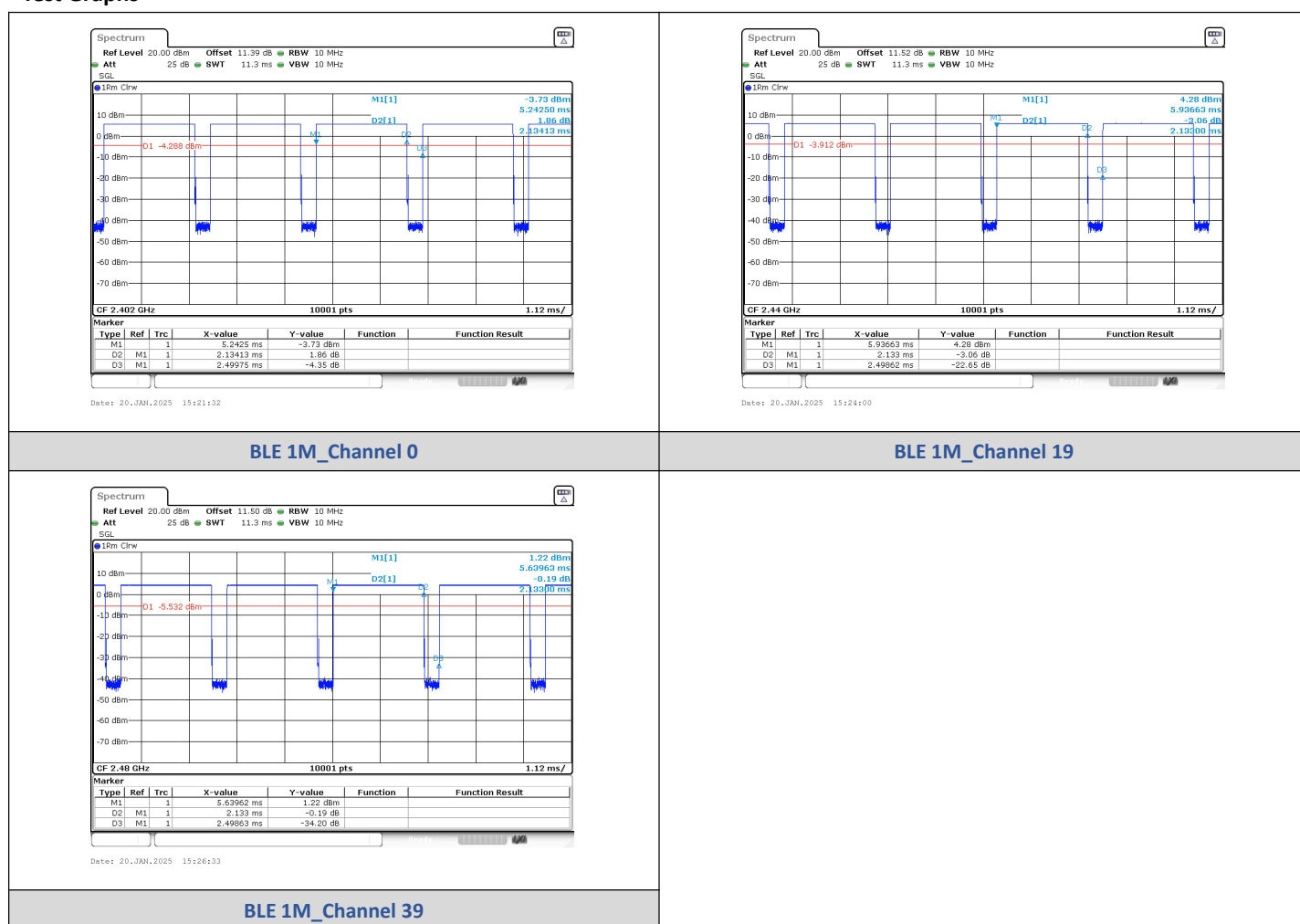
Report No.:	CISRR25011614706
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

# 1) Duty Cycle

## Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.134	2.500	85.37	0.8537	0.6869	0.4686
	19	2.133	2.499	85.37	0.8537	0.6869	0.4688
	39	2.133	2.499	85.37	0.8537	0.6869	0.4688

## Test Graphs

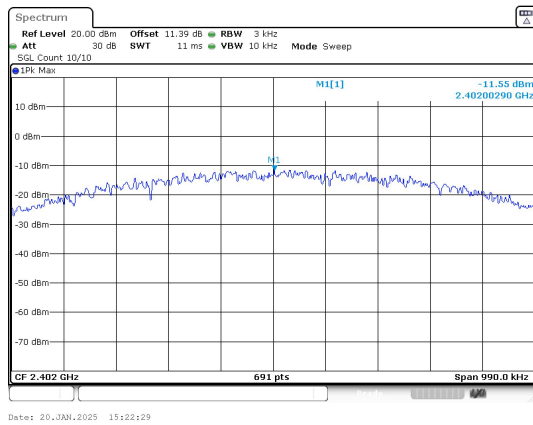


## 2) Power Spectral Density

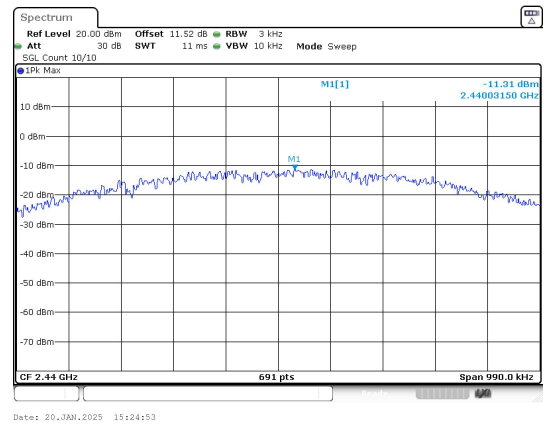
### Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-11.550	≤8	PASS
BLE 1M	19	-11.310	≤8	PASS
BLE 1M	39	-12.680	≤8	PASS

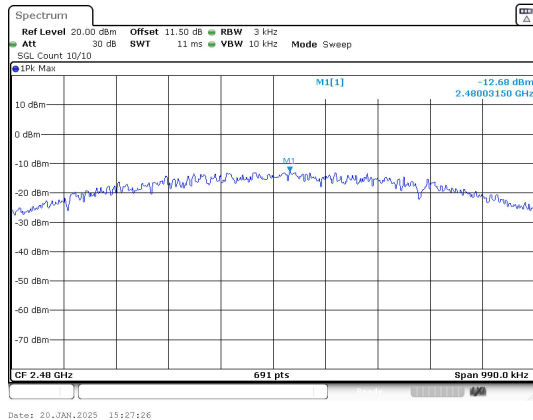
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



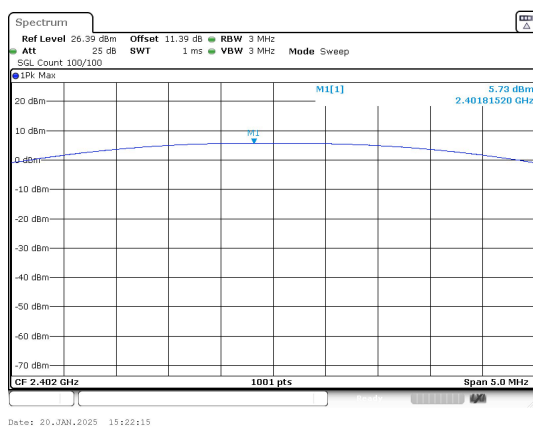
BLE 1M\_Channel 39

### 3) Conducted Output Power

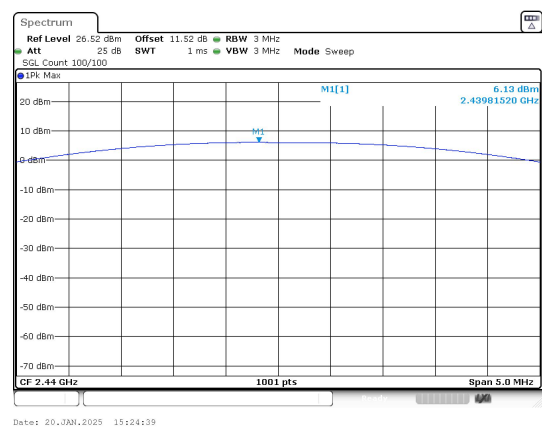
#### Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	5.73	3.74	≤30	PASS
	19	6.13	4.1	≤30	PASS
	39	4.52	2.83	≤30	PASS

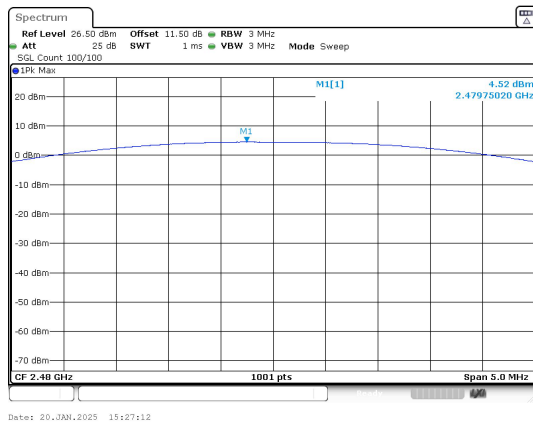
#### Test Graphs



Peak Output Power  
BLE 1M\_Channel 0



Peak Output Power  
BLE 1M\_Channel 19



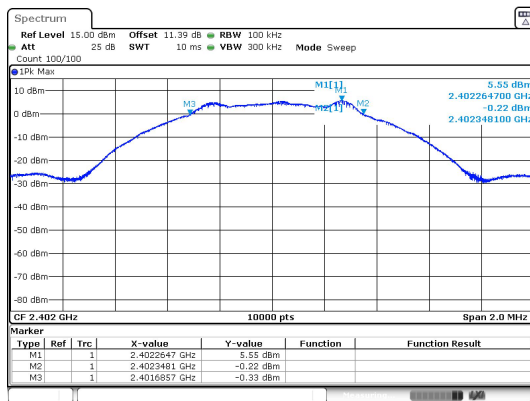
Peak Output Power  
BLE 1M\_Channel 39

## 4) 6dB Bandwidth

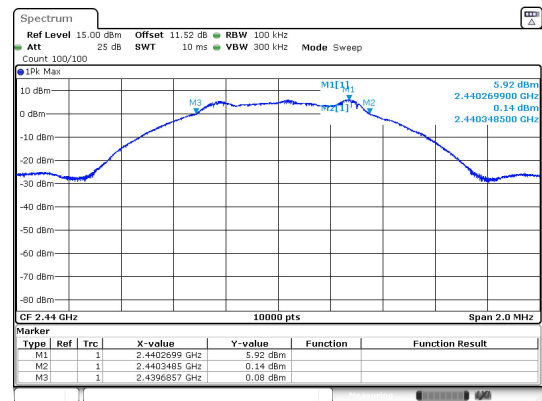
### Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS

### Test Graphs



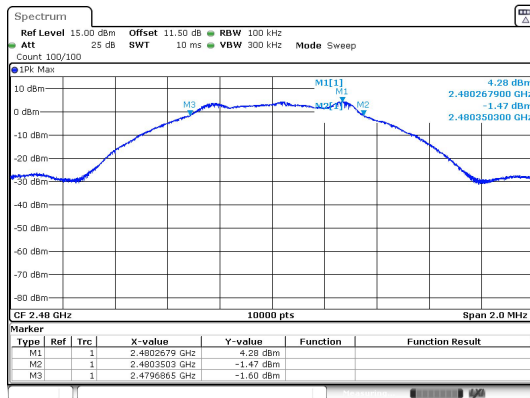
Date: 20.JAN.2025 15:21:55



Date: 20.JAN.2025 15:24:23

BLE 1M\_Channel 0

BLE 1M\_Channel 19



Date: 20.JAN.2025 15:26:56

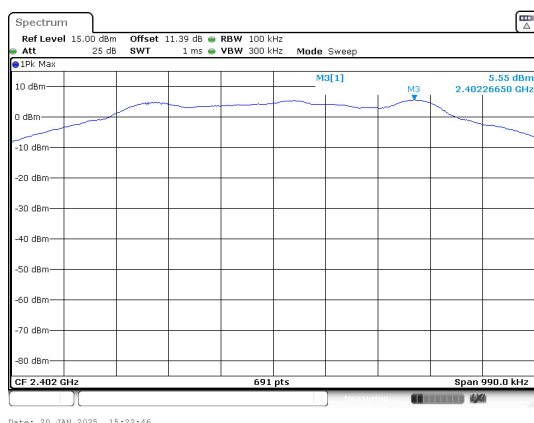
BLE 1M\_Channel 39

## 5) Conducted Out Of Band Emission

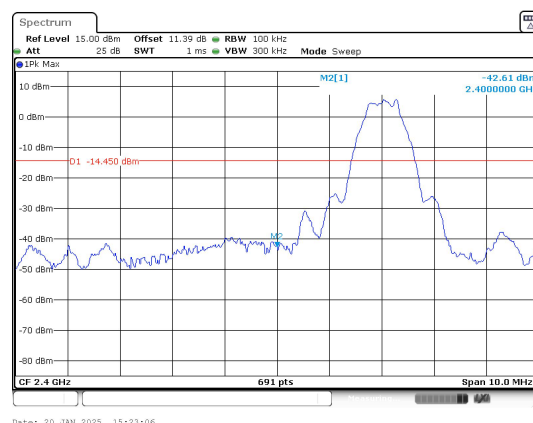
### Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-39.773	-14.45	-25.323	PASS
		2400.00	-42.610	-14.45	-28.160	PASS
		7205.10	-36.653	-14.45	-22.203	PASS
	19	9753.73	-38.593	-14.05	-24.543	PASS
	39	1784.14	-35.977	-15.73	-20.247	PASS
		2483.50	-43.880	-15.73	-28.150	PASS

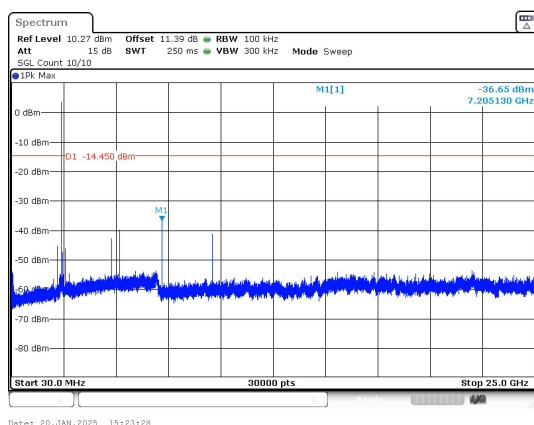
### Test Graphs



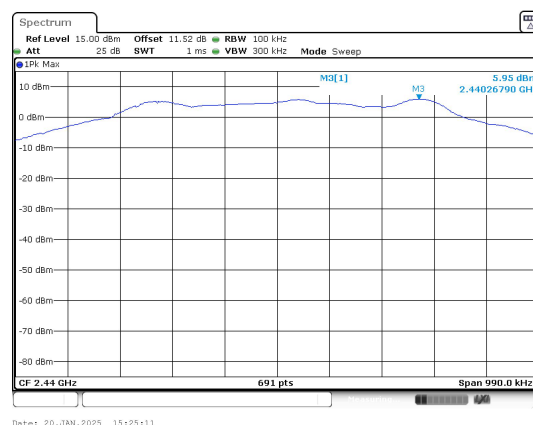
**In-Band Reference Level**  
**BLE 1M\_Channel 0**



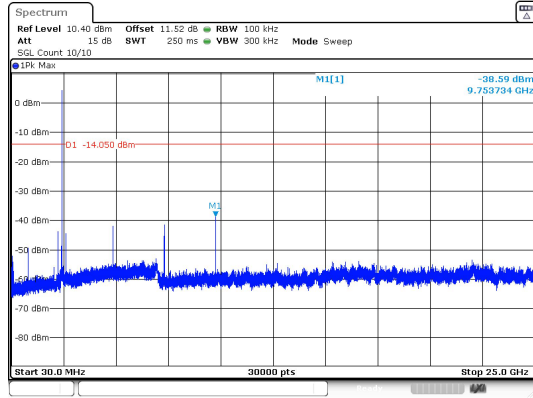
**Out Of Band Emission**  
**BLE 1M\_Channel 0**



**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 0**

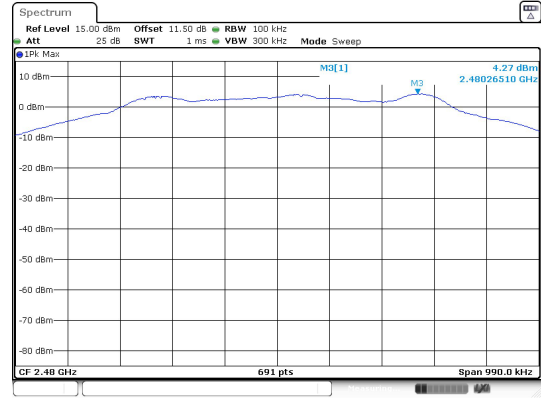


**In-Band Reference Level**  
**BLE 1M\_Channel 19**



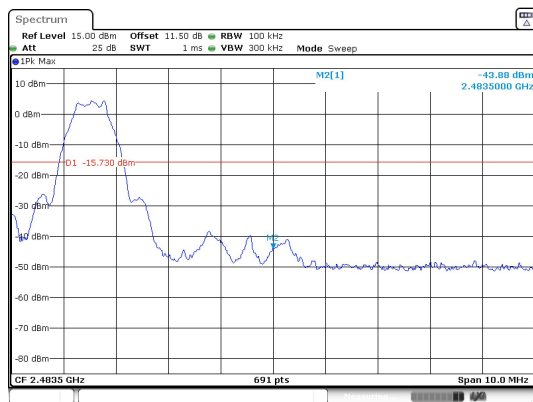
Date: 20.JAN.2025 15:25:35

**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 19**



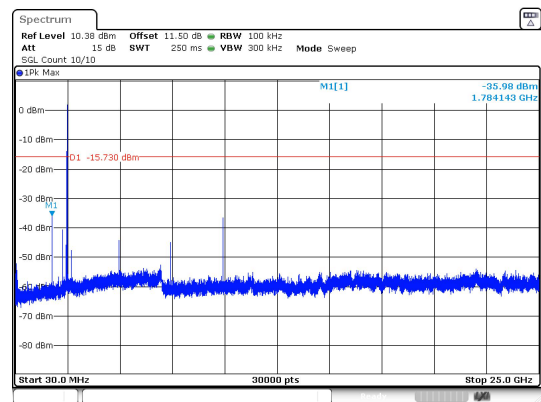
Date: 20.JAN.2025 15:27:43

**In-Band Reference Level**  
**BLE 1M\_Channel 39**



Date: 20.JAN.2025 15:28:03

**Out Of Band Emission**  
**BLE 1M\_Channel 39**



Date: 20.JAN.2025 15:28:25

**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 39**

-----End of the report-----